

Appl. No. 10/627,205  
Reply to Office Action of September 23, 2004

This listing of claims will replace all prior versions, and listings, of claims in the application:

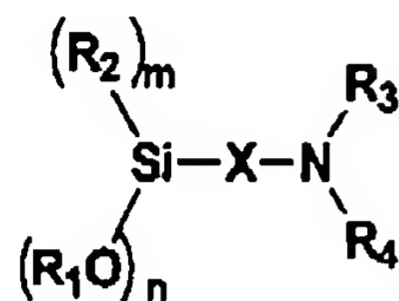
Listing of Claims:

1. (Currently Amended) A photothermographic material comprising a support, an organic silver salt, a light-sensitive silver halide, a reducing agent and a contrast-increasing agent, wherein the photothermographic material further comprises a secondary or tertiary amino group-containing alkoxysilane compound and a polyethyleneimine and the photothermographic material is provided on one side of the support with an image forming layer and a protective layer and on the other side of the support with a backing layer and a backing protective layer, and the backing layer or the backing protective layer containing said polyethyleneimine at 1 to 100 mg/m<sup>2</sup>.

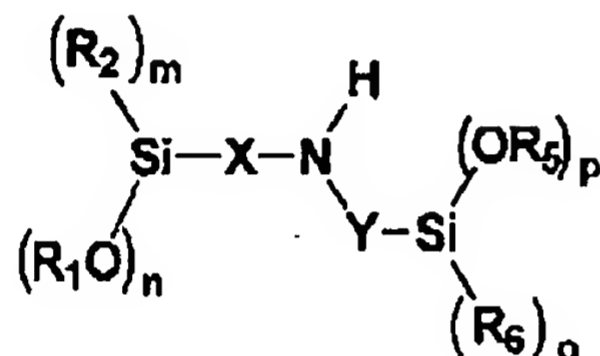
2. (Original) The photothermographic material of claim 1, wherein said alkoxysilane compound is represented by the following formula (1a) or (1b):

Appl. No. 10/627,205  
Reply to Office Action of September 23, 2004

Formula (1a)



Formula (1b)



wherein X and Y are each a straight chain or branched bivalent saturated hydrocarbon group having 1 to 10 carbon atoms;  $R_1$ ,  $R_2$ ,  $R_5$  and  $R_6$  are each a straight chain or branched saturated hydrocarbon group having 1 to 4 carbon atoms;  $R_3$  and  $R_4$  are each a hydrogen atom, an aliphatic group having 1 to 20 carbon atoms or an aromatic group, provided that at least one of  $R_3$  and  $R_4$  is an aliphatic group having 1 to 20 carbon atoms or an aromatic group, or  $R_3$  and  $R_4$  combine with each other to form a ring; m and o are each 0 or 1, n and p are each 2 or 3.

Appl. No. 10/627,205  
Reply to Office Action of September 23, 2004

**Claim 3 (Canceled).**

4. (Currently Amended) The photothermographic material of claim [[3]] 1, wherein the image forming layer ~~or the protective layer~~ contains said alkoxysilane compound at 100 to 1000 mg/m<sup>2</sup>.

**Claim 5 (Canceled).**

6. (Currently Amended) The photothermographic material of claim [[3]] 1, wherein the ~~image forming layer or the protective layer~~ contains said alkoxysilane compound at 100 to 1000 mg/m<sup>2</sup>[[.]] ~~and the backing layer or the backing protective layer contains said polyethyleneimine at 1 to 100 mg/m<sup>2</sup>.~~

7. (Currently Amended) The photothermographic material of claim [[3]] 1, wherein the image forming layer or the protective layer contains said alkoxysilane compound at 100 to 1000 mg/m<sup>2</sup> and said polyethyleneimine at 1 to 100 mg/m<sup>2</sup>.

Appl. No. 10/627,205  
Reply to Office Action of September 23, 2004

8. (Currently Amended) The photothermographic material of claim [[3]] 1, wherein the backing layer or the backing protective layer contains said alkoxysilane compound at 100 to 1000 mg/m<sup>2</sup> ~~and said polyethyleneimine at 1 to 100 mg/m<sup>2</sup>.~~

9. (Original) A package of a rolled photothermographic material, wherein the package comprises a rolled photothermographic material in which a photothermographic material as claimed in claim 1 is wound on a light-shielding roll core, a light-shielding flange member provided at both ends of the roll core and a light-shielding leader which is attached to the top of the photothermographic material and has a width greater than that of the rolled photothermographic material and a prescribed length of the light-shielding leader is wound around the rolled photothermographic material with covering a circumferential portion of the flange so that light-shielding is performed with maintaining an internal absolute humidity at 4 to 17 g/m<sup>3</sup> under an environment of 10 to 25°C.

Appl. No. 10/627,205  
Reply to Office Action of September 23, 2004

10. (Original) The package of claim 9, wherein said light-shielding leader exhibits a moisture permeability at 40°C and 90% RH of 5 g/m<sup>2</sup>·24 hr or less.

11. (Original) The package of claim 9, wherein said core has a moisture content of 4% by weight or less.

12. (Original) The package of claim 9, wherein the photographic material is rolled on the core in an atmosphere of an absolute humidity of 5 to 15 g/m<sup>2</sup> and a temperature of 10 to 30°C.